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**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **BORDERLESS CONTACT STRUCTURE AND METHOD OF FORMING THE SAME**, the specification of which:

☒ is attached hereto.
☐ was filed on _____ as Application No. _____
☐ and was amended on _____ (if applicable)
☐ with amendments through _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Claiming Priority?	
<u>00-02901</u>	<u>Korea</u>	<u>21 January 2000</u>	<input checked="" type="checkbox"/> [X]	<input type="checkbox"/> []
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

<u>Provisional Application No.</u>	<u>Filing Date</u>
_____	_____

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365(c) of any PCT international application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the

prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Status) (patented, pending, abandoned)</u>
--------------------------	----------------------	--

I hereby appoint the following attorneys to prosecute the application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Customer No. 20575

<u>Attorney Name</u>	<u>Registration No.</u>
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
James G. Stewart	32,496
Glenn C. Brown	34,555
Stephen S. Ford	35,139
Gregory T. Kavounas	37,862
Scott A. Schaffer	38,610
Joseph S. Makuch	39,286
James E. Harris	40,013
Graciela G. Cowger	42,444
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Craig R. Rogers	43,888

Direct all telephone calls to at (503) 222-3613 and send all correspondence to:

MARGER JOHNSON & MCCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: **Hoe-Seong HA**

Inventor's signature: Hoe-Seong HA

10 November 2000
(Date)

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Full name of sole or second inventor: **Jun-Eui SONG**

Inventor's signature: Jun-Eui SONG

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(Date)

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Citizenship: Korea

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SI / HCL. 0571-160
UNITED STATES DEPARTMENT OF COMMERCE
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APRIL 19, 2001

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MARGER JOHNSON & MCCOLLOM, P.C.
ALAN T. MCCOLLOM
1030 S.W. MORRISON STREET
PORTLAND, OREGON 97205



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/19/2001

REEL/FRAME: 011494/0507
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HA, HOE-SEONG

DOC DATE: 11/10/2000

ASSIGNOR:
SONG, JUN-EUI

DOC DATE: 11/10/2000

ASSIGNEE:
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, PALDAL-KU, SUWON-
CITY
KYUNGKI-DO, REPUBLIC OF KOREA

SERIAL NUMBER: 09765543
PATENT NUMBER:

FILING DATE: 01/19/2001
ISSUE DATE:

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02-09-2001

1-19-01



PATENT APPLICATION
Attorney's Do. No. 4591-160

101610345

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

jc872 U.S. PTO
09/765543



Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party(ies) conveying an interest: Hoe-Seong HA and Jun-Eui SONG
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-ku, Suwon-City
Kyungki-do KOREA

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: November 10, 2000

09/765543

4. Application number(s) or patent number(s). Additional sheet attached? Yes ___ No ___

If this document is being filed together with a new application, the execution date of the application is: January 19, 2001

A. Patent Application No.

B. Patent No.

5. Name and address of party to whom correspondence concerning document should be mailed:

MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

6. Number of applications and patents involved: 1
7. Enclosed is our check for \$40.00
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: January 19, 2001

01/25/2001 MWOLDER1 00000085 09765543

02 FC:581

40.00 0P

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.

Alan T. McCollom
Reg. No. 28,881

MARGER JOHNSON & McCOLLOM, P.C.
1030 SW Morrison Street
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Total number of pages comprising
cover sheet and attached assignment: 3

PATENT APPLICATION
Atty's Do. No. 4591-160
Korean Priority Document No.: 00-02901
Hana Ref. No.:ID9126-US

ASSIGNMENT

U.S.A. Patent Application
Sole or Joint
For Inventions Made Outside U.S.A.
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) **Hoe-Seong HA**
- (2) **Jun-Eui SONG**

☐ X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, PALDAL-KU
SUWON-CITY, KYUNGKI-DO
REPUBLIC OF KOREA

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States Of America as defined in 35 U.S.C. §1.00, in and to the invention known as:

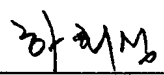

**BORDERLESS CONTACT STRUCTURE AND METHOD OF FORMING THE
SAME**

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Please sign
concurrently
with Oath or Declaration
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Hoe-Geong HA</u> Hoe-Seong HA	<u>10 November 2000</u>	<u></u>
(2) <u>Jun - Eui SONG</u> Jun-Eui SONG	<u>10 November 2000</u>	<u></u>

FOR ADDITIONAL INVENTORS, "X" BOX [] AND CONTINUE ON SEC- 2.005

PLEASE RETURN RECORDED ASSIGNMENT TO:

Alan T. McCollom
Marger Johnson & McCollom
1030 S.W. Morrison Street
Portland, OR 97205

PATENT APPLICATION

Atty. Docket No.: 4591-384 Serial No. Not yet assigned
Applicant: Hoe-Seong HA and Jun-Eui SONG
Filing Date: February 18, 2004 Group: Not yet assigned

**INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)**

U.S. PATENT DOCUMENTS

<u>Exam Init</u>	<u>Ref</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>
_____	_____	5,677,231	Oct. 1997	Maniar et al.		
_____	_____	6,121,113	Sep. 2000	Takatsuka et al		
_____	_____	6,281,562	Aug. 2001	Segawa et al		
_____	_____	6,294,823	Sep. 2001	Arafa et al.		
_____	_____	6,319,794	Nov. 2001	Akatsu et al.		
_____	_____	6,373,119	Apr. 2002	Noda, Kenji		

FOREIGN PATENT DOCUMENTS

<u>Exam Init</u>	<u>Ref</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Country</u>	<u>Name</u>
_____	_____				
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OTHER DOCUMENTS

<u>Exam Init</u>	<u>Ref</u>	<u>Author, Title, Date, Pertinent Pages, Etc.)</u>
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Examiner: _____

Date Considered: _____